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BAY AREA AIR POLLUTION CONTROL DISTRICT
939 Ellis Street
San Francisco, California 94109

July 20, 1977

TO: CHAIRPERSON SAM CHAPMAN AND MEMBERS OF
THE BOARD OF DIRECTORS

FROM: AIR POLLUTION CONTROL OFFICER

SUBJECT: REQUEST FOR PUBLIC HEARING TO AMEND THE CONTINUOUS
MONITORING RULES OF REGULATION 2 TO CONFORM WITH ARB
REQUIREMENTS

Calif. Air resources
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Air poll. SF bay
area
Calif

On June 22, 1977, the California Air Resources Board adopted Resolution 77-18, thereby amending Sections 3210.5 through 3210.11 of Regulation 2 of this District, concerning continuous monitoring rules. These amendments shall be rescinded by the State only when a substantially equivalent rule or regulation has been adopted by this District.

The changes made by the State are related to reference changes and additional record keeping and reporting procedures required by the State. Although the changes affect the workload of both industry and the District, there are no substantive changes involved.

Attached is a copy of the State's adopted rule relevant to this District. The changes and/or amendments to our Regulation 2 are outlined for quick reference. Also attached are the ARB Resolution 77-18 and the letter from ARB advising the District of the amendments.

Staff recommends that a Public Hearing be scheduled for the second Board meeting in September to consider adopting the changes made by the State.

DJC:jd
Attachment

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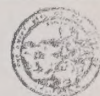
UNIVERSITY OF CALIFORNIA

AIR RESOURCES BOARD

1402 Q STREET

P.O. BOX 2815

SACRAMENTO, CA 95812



July 11, 1977

Mr. D. J. Callaghan
APC Officer
Bay Area APCD
939 Ellis Street
San Francisco, California 94109

Dear Mr. Callaghan:

Subject: Continuous Emission Monitoring Rules

As you were advised by my letter of April 25, 1977, the Air Resources Board (ARB) scheduled a public hearing to consider the need to adopt continuous emission monitoring rules for certain air pollution control districts (APCDs). On June 22, 1977, the Board adopted Resolution 77-18, thereby establishing or amending such rules for the following districts:

Bay Area Air Pollution Control District, Amendment to Regulation 2;
Kern County Air Pollution Control District, Rule 108;
Monterey Bay Unified Air Pollution Control District, Rule 215;
San Luis Obispo County Air Pollution Control District, Rule 113; and
Ventura County Air Pollution Control District, Rule 105.

The rules were to be in effect beginning June 22, 1977, and will remain in effect until the Executive Officer of the Air Resources Board determines that an affected APCD has adopted a substantially equivalent rule or regulation.

Although it was announced in the notice of public hearing that the Board was going to consider the adoption of In-Stack Monitoring Rules for Fresno, San Joaquin County APCDs, as well as the APCDs listed above, the Board did not adopt such rules for these two districts because the Board determined at the public hearing there was no need to do so.

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State of California

AIR RESOURCES BOARD

Resolution 77-18

Adopted

June 22, 1977

WHEREAS, the federal Clean Air Act (9110) and Environmental Protection Agency regulations adopted pursuant thereto (40 CFR 51.19 and Appendix P thereto) require that State Implementation Plans contain procedures requiring certain specified categories of stationary sources to monitor emissions on a continuous basis to determine compliance with any rules and regulations established to achieve or maintain the national air quality standards;

WHEREAS, the Board is the state agency designated, pursuant to Health and Safety Code §39602, the responsibility of preparing the State Implementation Plan, and to that end, is required to coordinate the activities of the districts;

WHEREAS, Health and Safety Code §40001 requires districts to adopt rules and regulations which assure that reasonable provision is made to achieve and maintain the state standards and endeavor to achieve and maintain the national standards;

WHEREAS, the Board is empowered by Health and Safety Code §§41500, 41502, and 41504 to review the rules and regulations of a district to determine whether they make reasonable provision to achieve and maintain state air quality standards, and, after a public hearing, establish rules and regulations for a district which so provide if the district has not established such rules and regulations;

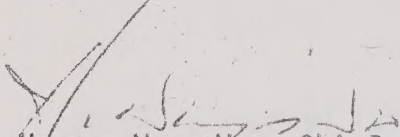
WHEREAS, the Board established model regulations for continuous emission monitoring of specified categories of sources which meet the aforesaid state and federal mandates, and by letter dated December 23, 1976, requested affected districts to adopt the suggested continuous emission monitoring rules or equivalent rules;

WHEREAS, the Board finds that one or more of the specified categories of sources are located within the following named districts and that the districts have not adopted rules or regulations that will assure continuous emission monitoring of the specified categories of sources;

Attached is a copy of Resolution 77-18 and a copy of the rule adopted by the Air Resources Board for your district.

If you have any questions, please contact Francis R. Perry of my staff at (916) 445-0657.

Sincerely,


Harmon Wong-Woo, Chief
Stationary Source Control Division

Attachments

Bay Area APCD	Fresno County APCD
Kern County APCD	Ventura County APCD
San-Joaquin-County-APCD	San Luis Obispo County APCD
Monterey Bay Unified APCD	

WHEREAS, the Board finds that without continuous emission monitoring rules substantially equivalent to the aforesaid model regulation proposed by the Board, the rules and regulations of the above districts do not make reasonable provision to achieve and maintain the state ambient air quality standards;

WHEREAS, the Board finds that the above districts have failed to adopt continuous emission monitoring rules which meet the aforesaid federal requirements for State Implementation Plans; and

WHEREAS, the Board has conducted a public hearing and given notice thereof in accordance with all requirements of federal and state law;

NOW, THEREFORE BE IT RESOLVED, that the Board hereby amends Sections 3210.5 through 3210.11 of the rules and regulations of the Bay Area APCD as shown in Attachment I of the Staff Report 77-13-4.

BE IT FURTHER RESOLVED, that the Board hereby amends the rules and regulations of the following districts by adopting therein a new rule or regulation, as shown in Attachments II through VII of the Staff report, 77-13-4.

<u>Attachment</u>	<u>Rule</u>	<u>District</u>	<u>Attachment</u>	<u>Rule</u>	<u>District</u>
II	108	Kern County	V	105	Ventura County
III	108	San-Joaquin-County	VI	113	San Luis Obispo County
IV	108	Fresno County	VII	215	Monterey Bay Unified

BE IT FURTHER RESOLVED, that the aforesaid rules and regulations as amended or adopted hereby shall become effective immediately.

BE IT FURTHER RESOLVED, that the aforesaid rules and regulations as amended may not be amended except by the Board, or by the District, if the Executive Officer finds that any amendment thereto made by the District does not impair the effectiveness or stringency of these rules.

BE IT FURTHER RESOLVED, that any of the aforesaid rules and regulations as adopted shall be rescinded upon the finding by the Executive Officer that a substantially equivalent rule or regulation has been adopted by an affected district.

State of California

AIR RESOURCES BOARD

Adopted

June 22, 1977

Amendment to Regulation 2

Bay Area Air Pollution Control District
Continuous Emission Monitoring

§ 3210.5(A) Definitions for terms used in § 3210.5 - § 3210.11 shall be those given in 40 CFR Part 51, or equivalent ones established by mutual agreement of the control district, Air Resources Board, and Environmental Protection Agency.

§ 3210.5(B) Notwithstanding the requirement of Section 3210.1, the Air Pollution Control Officer shall require the person responsible for emissions from the following source operations to install, calibrate, operate, and maintain all monitoring equipment necessary for continuously monitoring the quantity of air pollutants specified below:

- (a) NO_x , CO_2 , or O_2 , and opacity from steam generators with a heat input of 250 million British Thermal Units or more per hour and with a use factor of at least 30 percent, unless an exemption is granted in accordance with the following.

Upon written application by the owner or operator of a subject source, the Control Officer may grant an exemption from the requirements of this paragraph if the owner or operator demonstrates that the 30 percent use factor is exceeded on account of drought conditions. Any such exemption shall not extend beyond December 31, 1979. The Control Officer shall promptly inform the Executive Officer of the Air Resources Board of any such application received and approval granted.

- (b) NO_x from all new nitric acid plants, and existing plants having a production capacity in excess of 300 tons/day, as 100% nitric acid.
- (c) SO_2 from sulfuric acid plants.
- (d) SO_2 from sulfur recovery plants emitting more than 100 pounds per day of SO_2 .
- (e) SO_2 and opacity from the CO boilers of the regenerators of fluid catalytic crackers.
- (f) SO_2 and opacity from the CO boilers of the regenerators of fluid cokers with a feed rate greater than 10,000 barrels per day; and
- (g) SO_2 from fossil fuel fired steam generators with a heat input of 250 million British Thermal Units or more per hour with a use factor of at least 30 percent and utilizing flue gas desulfurizing (FGD) units, unless the exemption described in Section 3210.5(B)(a) applies.

§ 3210.6 The in-stack monitoring systems required under Section 3210.5(B) shall be installed in a location deemed proper by the Air Pollution Control Officer to be representative of the true emissions of the pollutant being measured.

§ 3210.7 The in-stack monitoring systems required under 3210.5(B) which are also required under 40 CFR Part 51, Appendix P shall meet the performance specification requirements outlined in 40 CFR Part 51, Appendix P or equivalent specifications established by the Air Pollution Control Officer, ARB, and EPA.

- § 3210.8 In-stack monitoring systems for NO_x and SO_2 required by Section 3210.5(B) shall be calibrated when installed using accepted EPA source testing methods or their equivalent to insure a relative error of 20 percent or less. Data developed in the calibration shall be provided to the Air Pollution Control Officer for his review and determination of its accuracy.
- § 3210.9 A violation of any applicable emission standards recorded by the monitoring systems specified in 3210.5(B) shall be reported to the APCO within 96 hours by the person responsible for the emissions.
- § 3210.10 The APCO shall report violations received under 3210.9 to the Air Resources Board within 5 working days after receiving the report of the violation from the person responsible for the emissions.

3210.11(A) Owners or operators subject to the provisions of these rules and regulations shall maintain for a period of at least two years a record in a permanent form suitable for inspection and shall make such record available upon request, to the State Air Resources Board and the District.

The record shall include:

1. Occurrence and duration of any startup, shutdown, or malfunction in the operation of any affected facility.
2. Performance testing, evaluations, calibration, checks, adjustments, and maintenance of any continuous emission monitors that have been installed pursuant to these rules.
3. Emission measurements.

3210.11(8) Owners or operators subject to provisions of 3210.5 - 3210.10 shall submit a written report for each calendar quarter to the control officer. The report is due by the 30th day following the end of the calendar quarter and shall include:

- (a) Time intervals, date, and magnitude of excess emissions; nature and cause of the excess (if known), corrective actions taken, and preventive measures adopted;
- (b) Averaging period used for data reporting corresponding to averaging period specified in the emission test period used to determine compliance with an emission standard for the pollutant/source category in question;
- (c) Time and date of each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of system repairs and adjustments.
- (d) A negative declaration when no excess emissions occurred; and
- (e) Reports on opacity monitors giving the number of three minute periods during which the average opacity exceeded the standard for each hour of operation. The averages may be obtained by integration over the averaging period or by arithmetically averaging a minimum of four equally spaced instantaneous opacity measurements per minute. Any time period exempted shall be considered before determining the excess averages of opacity.

The requirements of Sections 3210.2 through 3210.4 shall apply to source operations included in Section 3210.5(F).

The effective date of Sections 3210.5 and 3210.6 shall be March 3, 1977.

By June 3, 1976, all sources which are affected by this section shall notify the Air Pollution Control Officer in writing of the plans and specifications for installation of the required monitors.

By September 3, 1976, the sources affected shall notify the Air Pollution Control Officer in writing of purchase orders submitted to appropriate vendors for the purchase of the required monitors.

By December 3, 1976, the sources affected shall install and begin testing the monitors required in this section.

By March 3, 1977, the sources required to install monitors shall be in full compliance with Section 3210.5(B).

The effective date of Sections 3210.7, 3210.8, 3210.9, 3210.10, and 3210.11, and new monitoring requirements under 3210.5(B) shall be May 31, 1977.

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